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| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  |   | ATTORNEY'S DOCKET NUMBER                  |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>  |   | 0001.1048<br><br><b>10/529691</b>         |
| INTERNATIONAL APPLICATION NO.<br>PCT/KR2003/002121   | INTERNATIONAL FILING DATE<br>October 14, 2003 | PRIORITY DATE CLAIMED<br>October 18, 2002 |
| TITLE OF INVENTION<br>METHOD AND APPARATUS FOR MANAGING DISC DEFECTS USING UPDATEABLE DMA, AND<br>DISC THEREOF   |   |   |
| APPLICANT(S) FOR DO/EO/US<br>Sung-Hee Hwang et al.   |   |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following<br>items and other information:   |   |   |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input checked="" type="checkbox"/> This is an express request to immediately begin national examination procedures (35 U.S.C. 371(f)).</li> <li>3. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).</li> <li>4. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>5. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li>6. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>7. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>8. <input checked="" type="checkbox"/> An oath or declaration of the inventor (35 U.S.C. 371(c)(4)).</li> <li>9. <input type="checkbox"/> A translation of the Annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |   |   |
| Items 10-15 below concern document(s) or information included:   |   |   |
| <ol style="list-style-type: none"> <li>10. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98, form PTO-1449 and cited references.</li> <li>11. <input checked="" type="checkbox"/> An assignment document for recording.<br/>Please mail the recorded assignment document to:           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> the person whose signature, name &amp; address appears at the bottom of this document.</li> <li>b. <input type="checkbox"/> the following:</li> </ol> </li> <li>12. <input checked="" type="checkbox"/> A preliminary amendment, including Replacement Sheets for drawings.</li> <li>13. <input checked="" type="checkbox"/> A substitute specification (marked-up and clean versions).</li> <li>14. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>15. <input checked="" type="checkbox"/> Other items or information:<br/>           PCT Request; PCT/RO/105; PCT/RO/106; PCT/ISA/202; PCT/IB/301; PCT/IB/304;<br/>           PCT/IB/306; PCT/ISA/220 and PCT/ISA/210 (International Search Report); PCT/IPEA/402;<br/>           PCT/IB/308 and WO 2004/036562; PCT/IPEA/416 and PCT/IPEA/409 (International Preliminary Examination Report)         </li> </ol>   |   |   |

☒ The U.S. National Fee (35 U.S.C. 371(c)(1)) and other fees as follows:

10/529691

JC17 Rec'd PCT/PTO 29 MAR 2005

| CLAIMS | (1) FOR   | (2) NUMBER<br>FILED | (3) NUMBER<br>EXTRA | (4) RATE    | (5) CALCULATIONS |
|--------|---|---------------------|---------------------|-------------|------------------|
|        | TOTAL CLAIMS  | 41 -20=             | 21                  | x \$ 50.00  | 1,050.00         |
|        | INDEPENDENT<br>CLAIMS   | 6 -3=               | 3                   | x \$ 200.00 | 600.00           |
|        | MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |                     |                     | +\$360.00   | 0.00             |
|        | BASIC FILING FEE  |                     |                     |             | \$ 300.00        |
|        | EXAMINATION FEE   |                     |                     |             | \$ 200.00        |
|        | SEARCH FEE  |                     |                     |             | \$ 500.00        |
|        | Surcharge Fee for Each 50 sheets over 100 (\$250)   |                     |                     |             | \$ 0.00          |
|        | Total of above Calculations =   |                     |                     |             | \$ 2,650.00      |
|        | Surcharge of \$130 for furnishing the National fee or oath or declaration later than<br><input type="checkbox"/> 20 <input type="checkbox"/> 30 mos. from the earliest claimed priority date (37 CFR 1.482(e)). |                     |                     |             | 0.00             |
|        | TOTAL OF ABOVE<br>CALCULATIONS  |                     |                     |             | \$ 2,650.00      |
|        | Reduction by 1/2 for filing by small entity, if applicable. Affidavit must be<br>filed also. (Note 37 CFR 1.9, 1.27, 1.28.)   |                     |                     |             |                  |
|        | SUBTOTAL  |                     |                     |             | \$ 2,650.00      |
|        | Processing fee of \$130 for furnishing the English Translation later than<br>[ ] 20 [ ] 30 mos. from the earliest claimed priority date (37 CFR 1.482(f)).  |                     |                     |             |                  |
|        | TOTAL NATIONAL FEE  |                     |                     |             | \$ 2,650.00      |
|        | Fee for recording the enclosed assignment (37 CFR 1.21(h)).   |                     |                     |             | +                |
|        | TOTAL FEES ENCLOSED   |                     |                     |             | \$ 2,650.00      |

- a. ☐ A check in the amount of \$ to cover the above fees is enclosed.  
b. ☒ Credit Card Payment Form, Form PTO-2038 (attached).  
c. ☐ Please charge my Deposit Account No. 503333 in the Amount of \$ to cover the  
above fees. A duplicate copy of this sheet is enclosed.  
d. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or  
credit any overpayment to Deposit Account No. 503333. A duplicate copy of this sheet is  
enclosed.

STEIN, MCEWEN & BUI, LLP

49,455

PATENT TRADEMARK OFFICE

SUBMITTED BY: STEIN, MCEWEN & BUI, LLP

|           |   |          |         |
|-----------|---|----------|---------|
| Type Name | Michael D. Stein  | Reg. No. | 37,240  |
| Signature |  | Date     | 3/29/05 |